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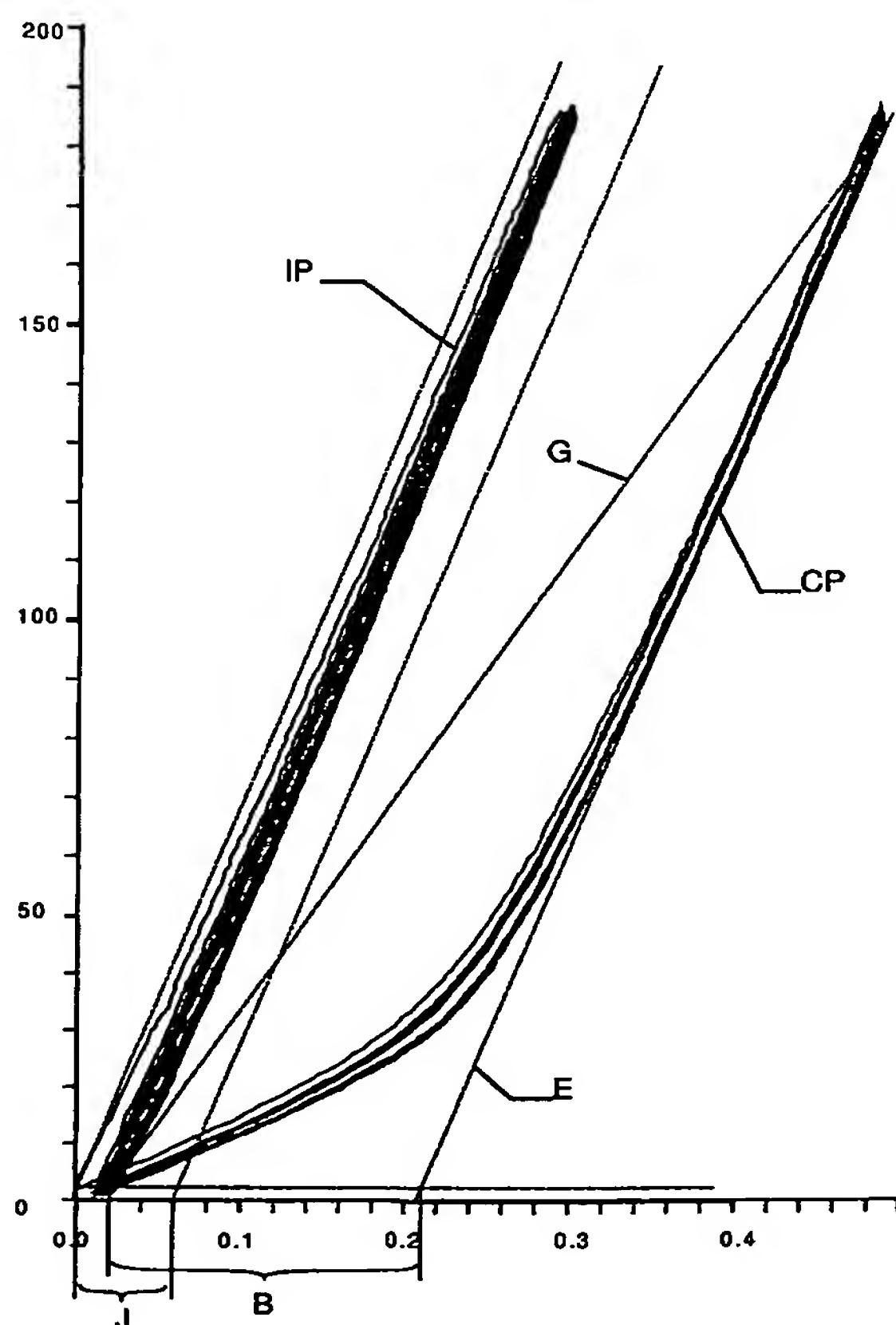
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(54) Title: FINE STEEL CORD WITH A LOW STRUCTURAL ELONGATION



(57) Abstract: A fine steel cord for the reinforcement of synchronous belts is presented. The fine cord has a distinct load elongation curve characterized by a very low structural elongation (below 0.09% preferably below 0.06%), and a high equivalent modulus between 0.2 and 20% of the breaking load. The favorable results are maintained when the cords are coated with an elastomer coating. Such a fine steel cord reduces the geometrical spread on the tooth pitch of the synchronous belts during use. A method to produce such a fine steel cord is also presented.

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